



PATENT ABSTRACTS OF JAPAN

(11) Publication number: **09037337 A**(43) Date of publication of application: **07.02.97**

(51) Int. Cl.

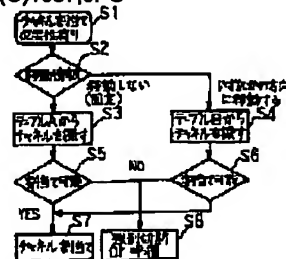
H04Q 7/36(21) Application number: **07182903**(22) Date of filing: **19.07.95**(71) Applicant: **MITSUBISHI ELECTRIC CORP**(72) Inventor:
**KAWABATA TAKASHI
FUKUI NORIYUKI
SHIBUYA AKIHIRO
MORIYA YOICHI****(54) METHOD FOR ASSIGNING CHANNEL IN
CELLULAR MOBILE OBJECT COMMUNICATION
EQUIPMENT****(57) Abstract:**

PROBLEM TO BE SOLVED: To attain a dynamic channel assigning system for suppressing the number of times of channel reassignment.

SOLUTION: When communication requests are generated in slave stations in plural cells, a master station for periodically storing the incoming interference wave receiving level of an idle channel stores an incoming frequency wave receiving level at the call originating/terminating time of each slave station (S1). The master station detects information related to non-movement or movement to any direction at the time of movement and receives the information of a moving slave station at the fixed time (S2). An idle channel with the highest priority is selected in accordance with fixed or moving priority table A or B (S3 or S4). An incoming or outgoing CIR (power ratio of a required wave wave to an interference wave) value for the selected channel is judged (S5 or S6). When the incoming and outgoing CIR values are more than respective prescribed thresholds, the channel is assigning, and when the values are less than the prescribed thresholds and an assigning enable channel can not be detected, forced

disconnection or call loss is executed (S7, S8). Consequently the load increment of the master station or the reduction of service quality can be avoided.

COPYRIGHT: (C)1997,JPO



チャネル番号	移動方向	優先順序	チャネルが100m以内のCIR
A	移動しない(固定)	100dB-100dB+10dB	1.2, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 9.0, 10.0
B	移動する	100dB-100dB+10dB	1.2, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 9.0, 10.0

チャネル番号	移動方向	優先順序	チャネルが100m以内のCIR
A	移動しない(固定)	100dB-100dB+10dB	1.2, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 9.0, 10.0
B	移動する	100dB-100dB+10dB	1.2, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 9.0, 10.0